

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



Office of Pesticide Programs

**MEMORANDUM**

4/24/2018

**SUBJECT:** Acute Toxicity Review for *Maquat*12-3, EPA Reg. No.: 10324-209

**FROM:** Narayanan Parthasarathy  
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**THRU:** Jenny Tao, Team Leader (Acute Toxicology)  
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**TO:** Rick Fehir, PM Team 36  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

Registrant: Mason Chemical Company		
Decision No.: 508641	Submission No.: 990293	E-Sub No.: N/A
DP No.: 440544		Action Code: 676
MRID No(s): 48199903 – 48199907 & 49411101		

Formulation from label			
PC code(s)	CAS #(s)	Active Ingredient(s)	% weight
043901	111-30-8	Glutaraldehyde	12.5%
069149	7173-51-5	Didecyl dimethyl chloride	1.8%
069105	68424-85-1	Alkyl (50%C <sub>14</sub> , 40%C <sub>12</sub> , 10% C <sub>16</sub> ) dimethyl benzyl ammonium chloride	1.2%
		Other Ingredients	84.5%
		Total	100.0%

## **I. BACKGROUND**

In support of PDCI (043901-30503, 069149-30855, 069105-30933) for reregistration Glutaraldehyde (Case 2315), DDAC (Case 3003), and ADBAC (Case 0350), the Registrant, Mason Chemical Company, has submitted acute toxicity data for their product: *Maquat12-3*, EPA Reg. No. 10324-209, including an acute oral toxicity study in rats (MRID 48199903), an acute dermal toxicity study in Rabbits (MRID 48199904), an acute inhalation toxicity study in rats (MRID 49411101), a skin irritation study in rabbits (MRID 48199906), a skin sensitization study in Guinea Pigs (MRID 48199907), and a waiver rationale for eye irritation study (MRID 48199905). The subject product is an end-use product that is formulated for use in oil field, gas production, and transmission pipelines.

## **II. FINDINGS/RECOMMENDATIONS**

The Agency has previously reviewed and accepted the submitted acute toxicity studies (DP 400032; 6/5/2012). The toxicity categories for each of the acute studies are provided below.

**1. Acute Oral Toxicity:** Toxicity Category III.

**2. Acute Dermal Toxicity:** Toxicity Category III.

**3.Acute Inhalation Toxicity:** Toxicity Category III.

**4. Primary Eye Irritation:** The waiver rationale for eye irritation study is acceptable and Category I is assigned.

**5. Primary Skin Irritation:** Toxicity Category III.

**6. Dermal Sensitization:** A Non-Sensitizer.

**7.The acute toxicity profile of *Maquat12-3*, EPA Reg. No. 10324-209, is currently:**

Study	MRID	Toxicity Category	Status
Acute Oral Toxicity	48199903	III	Acceptable
Acute Dermal Toxicity	48199904	III	Acceptable
Acute Inhalation Toxicity	49411101	III	Acceptable
Primary Eye Irritation	48199905	I	Waived
Primary Skin Irritation	48199906	III	Acceptable
Dermal Sensitization	48199907	Non-sensitizer	Acceptable

## **III. PRODUCT LABELING**

1. Signal Word: DANGER
2. Precautionary Statements of the Current Label (11/30/2016) are acceptable.
3. FIRST AID: Statements of the Current Label (11/30/2016) are acceptable.